





ACERALAVA 	QTR Qualification Test Record NORSOK M-650 EDITION 4					QTR. No.: 1
						Rev. No.: 8
<i>Manufacturer name/address/ Web page:</i>	ACERIA DE ALAVA, S.A.U. (ACERALAVA) Tres Cruces, 8 01400 Llodio (Alava) Spain www.tubacex.com			<i>PLANT:</i> Polígono de Saracho s/n 01470 Amurrio (Alava) Spain		
<i>Reference standard</i>	NORSOK M-650 EDITION 4 ASTM A479					
<i>Material designation and MDS No.:</i>	BARS MDS D47 REV. 5 UNS S 31803 / UNS S 32205					
<i>Manufacturing summary doc. No.:</i>	1. MS 31803 HR 2. MS 31803 HFR 3. MS 31803 HF				<i>Rev. No.:</i> 4 4 0	
<i>Products and manufacturing process(es):</i>	1. HOT ROLLED BARS 2. FORGED & ROLLED BARS 3. FORGED BARS					
<i>Mandatory conditions and sub-contractors:</i>	Mechanical and corrosion testing carried at TTI Tubacex Tubos Inoxidables, S.A.U. Heat treatment carried out in Guinea Furnace in Acerálava. Heat treatment of UNS S31803 bar according to heat treatment procedure 04.02-C000.00TT-P.001.					
<i>Other information:</i>	Qualification testing 563327, 558007 & 592257 has been carried out to MDS D47 rev 4. however material meets requirement of MDS D47 rev. 5. Qualification testing 636375 has been carried out to MDS D47 rev. 5. Heat treatment witnessed by SFF (report VHTA-01). Material can be supplied in a non heat treated condition to be later processed to obtain material against a Material Data Sheet. ACERALAVA-TTI do have in house testing facilities to cover all the testing required by 22% and 25% Cr reference standards. These laboratories are included in the ISO 9001 QA system in compliance with international testing reference standards and working to procedures following principles of ISO17025.					
<i>Expiry date</i>	November 2020					
Tested and Qualified Thickness and Weight						
<i>Products and manufacturing process(es):</i>	<i>Test record No.</i>	<i>Test date</i>	<i>Tested Thickness (mm)</i>	<i>Qualified thickness (mm)</i>	<i>Test piece weight (kg)</i>	<i>Qualified weight (kg)</i>
1	563327	08/11/2012	282	282	NA	NA
2	558007	06/11/2012	282	282	NA	NA
3	592257	19/11/2013	300	300	NA	NA
1	636375	06/11/2015	330	330	NA	NA
Qualification/Acceptance signatures						
Manufacturer:	<i>Prepared by/Date:</i>  Carlos Arrieta Nov. 2016			<i>Checked by/Date:</i>  Aitor González Nov. 2016		
The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials. This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.						
Qualified/Accepted by (company name/address):				<i>Signature/Date:</i>		
 SCANDINAVIAN FITTINGS & FLANGES AS				20.12.2016 